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Date: 29.07.2025 07:43 AM

073205T4BLD**BUILDING TECHNICIAN LEVEL 5****CON/OS/BUT/CR/05/6**

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Install Building Doors and Windows

Date: 29.07.2025 07:43 AM

July/August 2025Printed By Technical And Vocational College Date: 29.07.2025
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**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)****WRITTEN ASSESSMENT**

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Time: 3 HOURS**INSTRUCTIONS TO CANDIDATE**

1. Marks for each question are indicated in the brackets.
2. The paper consists of **TWO** sections: **A** and **B**.
3. Candidates are provided with a separate answer booklet
4. **DO** not use question paper.

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AM**This paper consists of THREE (3) printed pages.****the question paper to ascertain that all pages are printed as**

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indicated and that no questions are missing.

SECTION A (40 MARKS)*Attempt ALL questions in this section.*

1. With reference to door frame, define the following terminologies

- i. Jam
- ii. Lining
- iii. Lintel

iv. Head

v. Architrave.

(5 Marks)

2. Door frames are made of different materials. State TWO door frames and

indicate their application.

(4 Marks)

3. There are various ways of fixing door frames. Explain the use of wall plugs during installation of wooden doors.

(3 Marks)

4. A door opening is an essential element of a building. List FOUR factors affecting the choice of a door for installation in a commercial building.

(4 Marks)

5. Door fittings are necessary for proper functioning of a door. State THREE types of iron

mongery used in wooden doors

(3 Marks)

6. Doors are available in different types and shapes. Differentiate between a panel door and a flush door.

(4 Marks)

7. A window should be able to meet certain requirements. Outline

THREE functional requirements of windows.

(3 Marks)

8. Glazing is the act of fixing glass panes in window sashes. Identify THREE ways of

achieving

(3 Marks)

9. There are different types of windows in buildings. Highlight two types of

windows and state where each is appropriate.

(4 Marks)

10. A window should be able to bring about aesthetic value. List THREE types of finishes

that can be applied on a window

(3 Marks)

11. A client's needs and tastes vary from one person to another. Give THREE factors

affecting the choice of finishes applied on doors and windows.

(4 Marks)

SECTION B (60 MARKS)

Attempt Any THREE questions in this section.

12. Doors are classified into specifications according to the purpose of the building

a. Explain FOUR types of wooden doors (8 Marks)

b. With the aid of a well labelled sketch show the details of a wooden door.

(12 Marks)

13. A client has contracted you to fix windows panes in a newly constructed building.

a. Outline the procedure of fixing a wooden window in the wall structure.

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(10 Marks)

b. Describe THREE ways of glazing the windows. (10 Marks)

14. Doors are made of different materials

a. Explain THREE advantages of metallic doors over glass doors. (6 Marks)

b. Explain TWO reasons why wooden doors have become unpopular in recent

times. (4 Marks)

c. Differentiate between collapsible and revolving doors. (10 Marks)

15. You have been contracted to fix windows in a residential building.

a. Using a well labelled diagram, illustrate a typical detail of a wooden window.

(10 Marks)

b. Discuss FIVE types of windows fixed in buildings. (10 Marks)

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